WHAT IS CLAIMED IS:

An underfill system for filling gaps between semiconductor chips and 1. substrates, comprising:

an air duct; and

a blower configured to blow air into said air duct,

wherein said air duct includes:

- a main duct coupled to said blower, and
- a plurality of sub-ducts each having an outlet being coupled to said main duct and an inlet of the sub-ducts to be disposed on one side of said semiconductor chip, and

wherein a filling material from a dispenser is able to fill said gap by suction due to a pressure difference between said main duct and said sub-duct.

- 2. The underfill system as claimed in claim 1, wherein said outlet of the sub-duct is of a smaller width than said inlet of the sub-duct
- 3. The underfill system as claimed in claim 1, further comprising a valve for controlling the velocity of air blown from said blower, wherein said valve is located on said main duct between the blower and the sub-ducts.
- 4. The underfill system as claimed in claim 3, further comprising a timer that closes said valve to block air blown from said blower into said main duct
- 5. The underfill system as claimed in claim 1, wherein said air blown from said blower is at a temperature of approximately 25°C or higher.
- 6. The underfill system as claimed in claim 1, wherein the blower comprises a hydraulic-type blower.
- 7. The underfill system as claimed in claim 1, wherein the blower comprises a fan-type blower. 8

- The underfill system as claimed in claim 1, wherein the blower comprises a pneumatic-type blower.
- 9. A method for filling gaps between semiconductor chips and substrates using an underfill system comprising a blower structured to blow air, an air duct coupled to said blower, the air duct comprising: a main duct connected to said blower; and a plurality of sub-ducts each having an outlet being connected to said main duct and an inlet to be disposed on one side of said semiconductor chip, the inlet of the sub-duct forming a suction when the blower blows air in the air duct, the method comprising:

placing a substrate in the suction of one of the sub-ducts; and providing a filling material to the gap from a dispenser, the filling material provided in a direction toward the inlet of the one of the sub-ducts.

The method of claim 9, further comprising:
blocking the flow of air along the main duct.